

DRILL HOLES

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BORDED REV. DATE: June 11, 2004

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing Firehouse Hazard Identification Beacon for the Sandy Spring Volunteer Fire Company #40 on MD 97 (Georgia Ave) in Montgomery County. A strain pole mounted flasher shall be installed for the Day Care Center Driveway. MD 97 (Georgia Ave) is assumed to run in a north - south direction.

II. INTERSECTION OPERATION

- The intersection shall continue to operate in a two-phase mode. During normal operation the MD 97 (Georgia Ave) approaches shall operate in a 8" flashing yellow mode. The Sandy Spring Volunteer Fire approach shall operate in a flashing red signal. The Day Care Center Driveway approach shall operate in dark mode. During the Fire House pre-emption phase, the MD 97 (Georgia Ave) approaches shall operate in a Red mode. The Westbound MD 97 approach shall also operate in a red mode. The Sandy Spring Volunteer Fire Company #40 approach shall operate in a flashing yellow mode.
- The existing full-traffic-actuated, eight-phase controller with all necessary equipment housed in a NEMA size "5" pole-mounted cabinet shall be utilized at this intersection.

III. SPECIAL NOTES

- The Contractor shall be responsible for terminating all signal cables, to the appropriate terminals and shall properly label each cable.
- All controller cabinet wiring will be performed by Montgomery County Forces. Contact Kamal Hamud at (240) 777-8761 seventy-two hours in advance of intended work.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.

The contact persons for District #3 (Montgomery County) are as follows:

Mr. Jeff Wentz
Assistant District Engineer - Traffic
Phone: (301) 513-7358

Mr. Raleigh Medley
Assistant District Engineer - Maintenance
Phone: (301) 513-7304

Mr. Augie Rebish
District Engineer - Utility
Phone: (301) 513-7350

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

Mr. Keith Lord
Montgomery County Signal Shop
(301) 674-8965

Mr. Sonny Bailey
Sign Shop
410-787-7676

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY S.H.A..

ITEM NO.	DESCRIPTION	QUANTITY
9570	Sheet aluminum signs to consist of: (ground mount) W11-8(mod) "WATCH FOR EMERGENCY VEHICLES" sign, (36" x 36"). S4-4 "WHEN FLASHING" sign, (18" x 30").	13 SF 1 EA 1 EA

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
1001	Maintenance of traffic per assignment.	1 EA
8002	12" red or green LED signal head section.	6 EA
8003	12" yellow LED signal head section.	8 EA
8011	8" LED (R,Y,G) signal head section.	6 EA
8026	Pushbutton and R10-4(1) sign (Note: R10-4(1) not necessary)	2 EA
8028	Remove and dispose of existing equipment per assignment.	1 EA
8063	Install ground mounted sign.	13 SF
8076	Electrical cable - 2 conductor (No. 14 AWG).	425 L.F.
8078	Electrical cable - 5 conductor (No. 14 AWG).	170 L.F.
Neg.	1/2" EMT conduit	250 L.F.

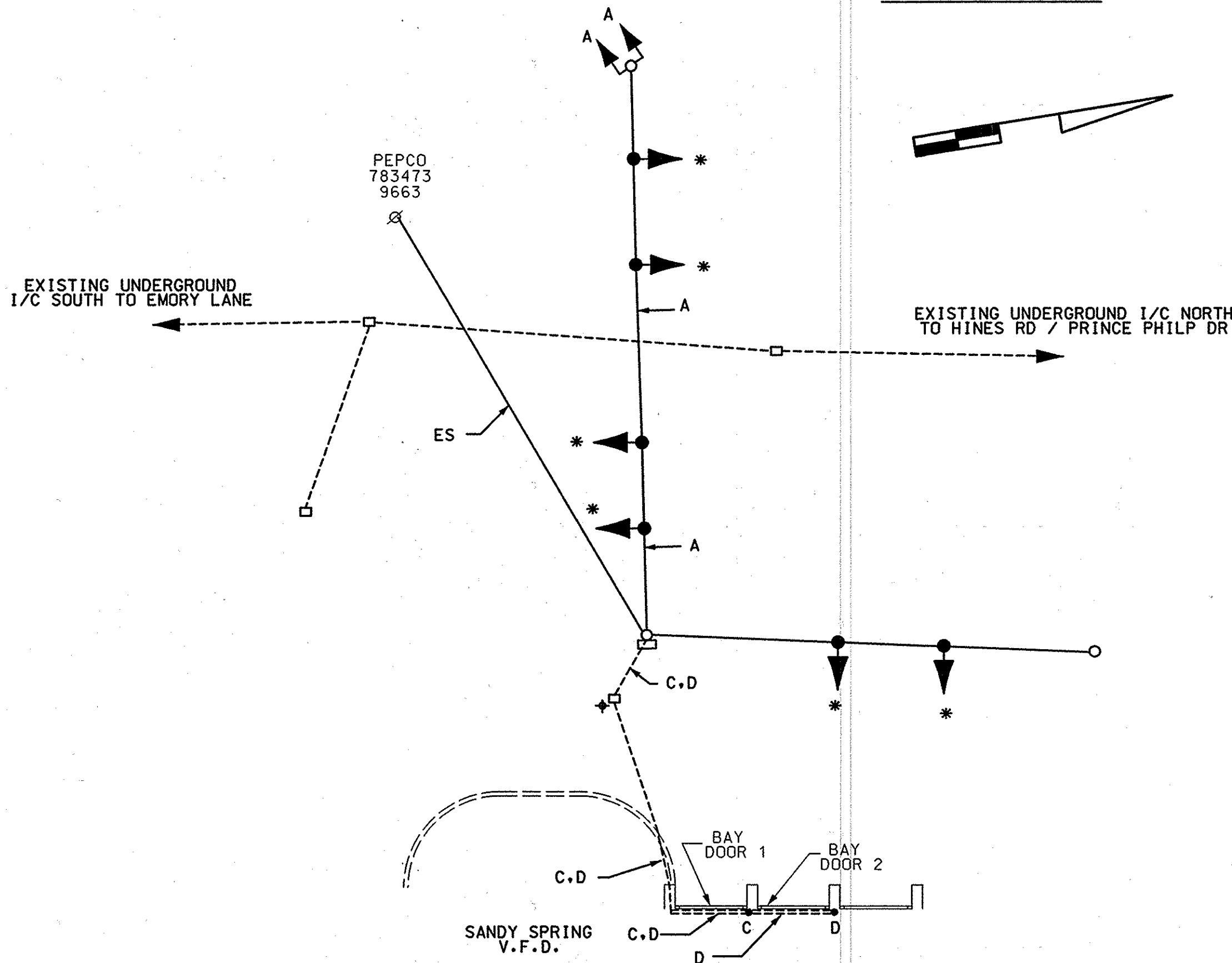
C. EQUIPMENT TO BE REMOVED

All removed equipment and material shall become property of the Contractor.

PHASE CHART

	1	2	3	4	5	6	7	8	
	(R)	(R)	(R)	(R)	(R)	(R)	(Y)	(Y)	
	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)			
	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)			
NORMAL OPERATION	FL/ 8"Y	FL/ 8"Y	FL/ 8"Y	FL/ 8"Y	FL/R	FL/R	DARK	DARK	←
PRE-EMPTION WARNING	OFL/ 8"Y	OFL/ 8"Y	OFL/ 8"Y	OFL/ 8"Y	R	R	FL/Y	FL/Y	→
WARNING CHANGE	Y	Y	Y	Y	R	R	FL/Y	FL/Y	↓
PRE-EMPT PHASE	R	R	R	R	FL/ 8"Y	FL/ 8"Y	FL/Y	FL/Y	↑
PRE-EMPT CHANGE	R	R	R	R	Y	Y	DARK	DARK	↕
FLASHING OPERATION	FL/ 12"Y	FL/ 12"Y	FL/ 12"Y	FL/ 12"Y	FL/R	FL/R	DARK	DARK	↕

WIRING DIAGRAM



WIRING KEY

- A - 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- B - STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- C } 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- D }
- * - USE EXISTING CABLE
- ✦ - EXISTING GROUND ROD
- ES - EXISTING OVERHEAD SERVICE TO BE MAINTAINED BY PEPCO

TOD NO: AT782-79
SHA NO: MO574ASM/B5M
MD97@SANDY SPRING F.D.



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

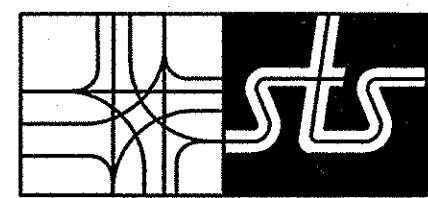
MD 97 (GEORGIA AVE) AND
SANDY SPRING FIRE DEPARTMENT

GENERAL INFORMATION SHEET

SCALE NONE DATE 11/7/07 CONTRACT NO. AT7825185

DESIGNED BY JWA COUNTY MONTGOMERY
DRAWN BY RC LOGMILE 15009711.23
CHECKED BY TMS NO. 1558
F.A.P. NO. TOD NO.

TS NO. 2108B61 DRAWING NO. 2 OF 2 SHEET NO. OF



STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy., NW
Glen Burnie, MD 21061

Ph (410) 590-5500
Fax (410) 590-6637

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PLOTTED: 8/24/2007
FILE: 8/24/2007

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